

**Frontier RDOF Kicker CASF Broadband Infrastructure Grant Application – Shingletown
Item #6 - Project Summary**

Applicant: Citizens Telecommunications Company of California Inc. d/b/a Frontier Communications of California (U-1024-C)

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Project Title: Shingletown

Project Location: Shasta County

Funding Request: CASF Funding: \$2,639,291
Level 2 Kicker Funding: \$538,000

PROJECT SUMMARY

Citizens Telecommunications Company of California Inc. d/b/a Frontier Communications of California (U-1024-C) (Frontier) is applying for a Level 2 Grant from the California Advanced Services Fund (CASF) Rural Digital Opportunity Fund (RDOF) Kicker Program to deploy last mile fiber to the home (FTTH) facilities that will provide High Speed Internet (HSI) to 2,520 unserved households in the region of Shingletown within Shasta County. Frontier refers to this proposal as the Shingletown Project (Project). The Project would allow service to last-mile customers with minimum symmetrical speeds of 50 Mbps and maximum symmetrical speeds of up to 1 Gbps using fiber optic technology. Frontier is requesting that the California Public Utilities Commission (Commission) grant \$2,639,291 from the CASF fund and Level 2 kicker funding in the amount of \$538,000 for this project.

DESCRIPTION OF INFRASTRUCTURE BEING DEPLOYED (Miles of planned fiber, Central Offices used, remote terminals / fiber huts / wireless towers to be built, and if an IRU is used):

This project will place 609,725 buried feet and 93,383 aerial feet of 144 fiber optic cable for FTTH in the Shingletown Wire Center. This fiber build is 100% last mile. Ten FDH and 1 CO OLT will be placed at the Central Office.

ESTIMATED BREAKDOWN OF AERIAL AND UNDERGROUND INSTALLATION:

It is estimated that this project will be approximately 13% aerial and 87% underground installation.

DESCRIPTION OF PROPOSED BROADBAND PROJECT PLAN FOR WHICH CASF FUNDING IS BEING REQUESTED, INCLUDING THE TYPE OF TECHNOLOGY TO BE PROVIDED IN THE PROPOSED SERVICE AREAS - the project description will provide enough construction detail to enable a preliminary indication of the need for a California Environmental Quality Act (CEQA) review and if proposed project areas contains any environmentally sensitive areas (i.e. when trenching is required, the applicant will state and describe the manner in which the site is to be restored, post-trenching).

Frontier will leverage all existing infrastructure within the Right of Way, including existing poles, underground system, and where Frontier currently has direct buried copper cables. There may be sections where boring and trenching is necessary when Frontier cannot leverage third party existing infrastructure. Frontier will restore, trench and bore locations back to its original state after

construction is completed. Frontier does not anticipate that CEQA review will be needed for the FTTH build.

IDENTIFICATION OF THE LEVERAGING OF EXISTING AVAILABLE FACILITIES (i.e. interconnection in lieu of overbuilding existing facilities of another provider):

Frontier will connect existing middle-mile facilities where applicable, such as main router, Packet Optical, and router locations. This application is FTTH, and therefore, Frontier cannot leverage existing copper networks as they are two different technologies.

INFORMATION ABOUT PROJECTS TO SERVE NEARBY CASF-ONLY ELIGIBLE HOUSEHOLDS:

The nearby CASF-Only Eligible Households will be upgraded to enable internet speeds up to 1G/1G. These households are in and adjoining unserved areas. CASF funding based on the rural community’s critical broadband needs, including their educational and economic digital divide. This project also provides safety benefits to the community including, but not limited to, robust bandwidth in the event of wildfire, winter storms and earthquakes as well as improved access to e-health services.

FUNDING

To receive a Level 2 award, a project must qualify to receive Level 1 support and satisfy additional Level 2 criteria. Projects receiving Level 2 awards will be provided up to an additional 10% of the RDOF reserve price in kicker funding for eligible census blocks, yielding a total of up to 20% kicker funding for the Level 1 and Level 2 awards combined. Frontier maintains that this project qualifies under Level 2 eligibility requirements:

- Level 2 eligibility requirements:
 - ✓ Qualification for Level 1 support
- Level 2 Provider Participation Requirements:
 - ✓ Level 1 Participation Requirements
 - ✓ Provision of low-income or affordable broadband plans for low-income consumers served by RDOF-funded infrastructure, for the 10-year duration of RDOF funding*
 - ✓ One or both of the following:
 - Offering Indefeasible Rights of Use at no cost for fibers for California Tribes located within 40-miles of RDOF funded last-mile or middle-mile routes
 - Designation as a Carrier of Last Resort (COLR) in the service provider’s RDOF-funded areas

* *Low-Income Plans:* Frontier features a choice of two low-income programs for customers: Frontier Fundamental and Frontier Affordable Broadband. The Frontier Affordable Broadband product requires that customers enrolled in Lifeline telephone service. Alternatively, the Frontier Fundamental product is a stand-alone low-income broadband program that does not require a customer to purchase telephone service. Both products will provide minimum symmetrical speeds of 50 Mbps in fiber areas.

Number of Locations by Census Block

Census Block	Adjacent	Kicker	RDOF ONLY	Grand Total
60890126031106		6		6
60890126031107		10		10

Census Block	Adjacent	Kicker	RDOF ONLY	Grand Total
60890126031108			18	18
60890126031111		2		2
60890126031112			18	18
60890126031114			4	4
60890126031115			10	10
60890126031119			30	30
60890126031120			19	19
60890126031121			64	64
60890126031122			9	9
60890126031123			9	9
60890126031124			14	14
60890126031125			42	42
60890126031126			28	28
60890126031127			27	27
60890126031129			16	16
60890126031131			23	23
60890126031132			5	5
60890126031133			2	2
60890126031134			15	15
60890126031143	1			1
60890126031148		9		9
60890126031149		5		5
60890126031150		13		13
60890126031151		18		18
60890126031153	1			1
60890126031154	2			2
60890126031163		15		15
60890126031164		14		14
60890126031167		2		2
60890126031168	1			1
60890126031169		14		14
60890126031171	1			1
60890126031183		17		17
60890126031184	3			3
60890126031186	1			1
60890126031233	1			1
60890126031258	1			1
60890126031260	2			2
60890126031264	7			7
60890126031266	3			3
60890126031267	2			2
60890126031268	1			1

Census Block	Adjacent	Kicker	RDOF ONLY	Grand Total
60890126031271	3			3
60890126031275	1			1
60890126031276	28			28
60890126031278	1			1
60890126031280	2			2
60890126031281	3			3
60890126031285	2			2
60890126031322	1			1
60890126031323	1			1
60890126031378	3			3
60890126031382	1			1
60890126031384	1			1
60890126031394		7		7
60890126031395		3		3
60890126031403		1		1
60890126031405	29			29
60890126031408	3			3
60890126031409	4			4
60890126031410	8			8
60890126031414	1			1
60890126031415	10			10
60890126031417	2			2
60890126031418	8			8
60890126031422	1			1
60890126031429			4	4
60890126031460			2	2
60890126031461			11	11
60890126032000			60	60
60890126032001			33	33
60890126032002			1	1
60890126032003			29	29
60890126032004			16	16
60890126032005			17	17
60890126032007			6	6
60890126032008			12	12
60890126032011			25	25
60890126032013			2	2
60890126032014			12	12
60890126032015			6	6
60890126032016			12	12
60890126032017			4	4
60890126032019	1			1

Census Block	Adjacent	Kicker	RDOF ONLY	Grand Total
60890126032023			1	1
60890126032024	1			1
60890126032030			20	20
60890126032037		23		23
60890126032038	3			3
60890126032040		5		5
60890126032042	4			4
60890126032044		8		8
60890126032045		2		2
60890126032048			7	7
60890126032053	1			1
60890126033000			52	52
60890126033001			37	37
60890126033002			22	22
60890126033003			5	5
60890126033004			24	24
60890126033005			8	8
60890126033006			4	4
60890126033014			13	13
60890126033015			49	49
60890126033016			10	10
60890126033017			4	4
60890126033019		6		6
60890126033020	5			5
60890126033021			21	21
60890126033026	3			3
60890126033027		38		38
60890126033028		4		4
60890126033030		3		3
60890126033031		8		8
60890126033033	1			1
60890126033035		10		10
60890126033036		3		3
60890126033041		20		20
60890126033045		6		6
60890126033046		12		12
60890126033047		4		4
60890126033049			19	19
60890126033052	1			1
60890126033053	1			1
60890126033054	7			7
60890126033055	1			1

Census Block	Adjacent	Kicker	RDOF ONLY	Grand Total
60890126033056			51	51
60890126033062		1		1
60890126033067	12			12
60890126033068	4			4
60890126033069			23	23
60890126033070	1			1
60890126033071	1			1
60890126033073	1			1
60890126033074			3	3
60890126033075			3	3
60890126033076		2		2
60890126033077	1			1
60890126033081	1			1
60890126033086	2			2
60890126033091			3	3
60890126033092			3	3
60890126033093			3	3
60890126033097		11		11
60890126033098		6		6
60890126034000		4		4
60890126034001			45	45
60890126034002		2		2
60890126034003	1			1
60890126034004		5		5
60890126034005		1		1
60890126034007			79	79
60890126034008	1			1
60890126034009		20		20
60890126034010			70	70
60890126034011		11		11
60890126034012		18		18
60890126034013			96	96
60890126034015		7		7
60890126034017			3	3
60890126034018	1			1
60890126034038	1			1
60890126034064	1			1
60890126034108	1			1
60890126034109		8		8
60890126041140			23	23
60890126041150			10	10
60890126041154			20	20

Census Block	Adjacent	Kicker	RDOF ONLY	Grand Total
60890126041155			43	43
60890126041157			2	2
60890126041183			18	18
60890126041212			20	20
60890126041216			2	2
60890126041224	1			1
60890126041225		16		16
60890126041228		4		4
60890126041229	3			3
60890126041231		2		2
60890126041232		1		1
60890126041233			19	19
60890126041234			30	30
60890126041247			35	35
60890126041253			7	7
60890126041254			125	125
60890126041255		15		15
60890126041256		5		5
60890126041257		7		7
60890126042151	2			2
60890126042174	4			4
60890126042175		42		42
60890126042187			5	5
60890126042188		8		8
61030001001038	1			1
61030001001042	1			1
61030001001045	2			2
61030001001047	3			3
61030001001049	1			1
61030001001051	6			6
61030001001052	1			1
61030001001054	2			2
61030001001060	1			1
61030001001062	2			2
61030001001063	8			8
61030001001065	1			1
61030001001067	1			1
61030001001069	2			2
61030001001070	11			11
61030001001071	5			5
61030001001072	2			2
61030001001073	9			9

Census Block	Adjacent	Kicker	RDOF ONLY	Grand Total
61030001001081	8			8
61030001001085	5			5
61030001001086	8			8
61030001001088	2			2
61030001001127	2			2
61030001001135	2			2
61030001001137	1			1
61030001001139	1			1
61030001001142	3			3
61030001001143	12			12
61030001001145	2			2
61030001001177	1			1
61030001001192	1			1
61030001001197	1			1
61030001001204	1			1
61030001001205	1			1
61030001001937	1			1
61030001001950	3			3
61030001001990	1			1
61030001001991	1			1
Grand Total	324	484	1642	2450

Shingletown Area Map

